

ABSTRACT

An injector injects fluids, such as hydrate inhibitors into a pipeline such as a natural gas pipeline. The injector is comprised of two motor valves with different force constants such that they open and close in a sequence that injects fluid into the pipeline. The motor valves are controlled by pressure in a control line, where the pressure in the control line is controlled by a latching solenoid valve that pressurizes and vents the control line, according to the signals received from a control panel. When used with a natural gas pipeline, the displaced natural gas captured by the overhead storage tank can be used to fuel a natural gas heater.